



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Monday, July 27, 2015

Issued: 0800 CT

***Day 1 Hazards: Heat index values greater than 100 degrees for much of the eastern half of the Region.***

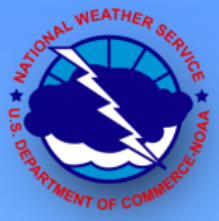
National Weather Service

Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX



Prepared by: Mark Wiley / Paula Cognitore  
817-978-1100 x 147

# Key Points



## Today

- Afternoon heat index values over 100 degrees for most of the eastern half of the Region

## Tuesday - Friday

- Hot temperatures and mostly dry conditions remain in place for most of the Region this week
- Locally heavy rain could produce Flash Flooding in NM
- Rain chances look to increase slightly over the Region late this week into next weekend

## Tropical Outlook

- Tropical formation is not expected in the next 5 days

# \*FEMA Region 6 Threat Matrix

Jul 27, 2015 - Jul 31, 2015

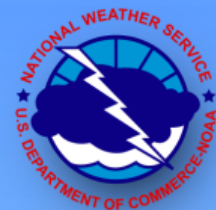
DAY/ THREAT	MON	TUE	WED	THU	FRI
Severe Weather					
Heavy Rain /Flash Flooding		NM			
Heat	Eastern Half of the Region				
Tropical					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*We continue to welcome feedback on our new color scale (details in the next slide). Please send comments to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).*



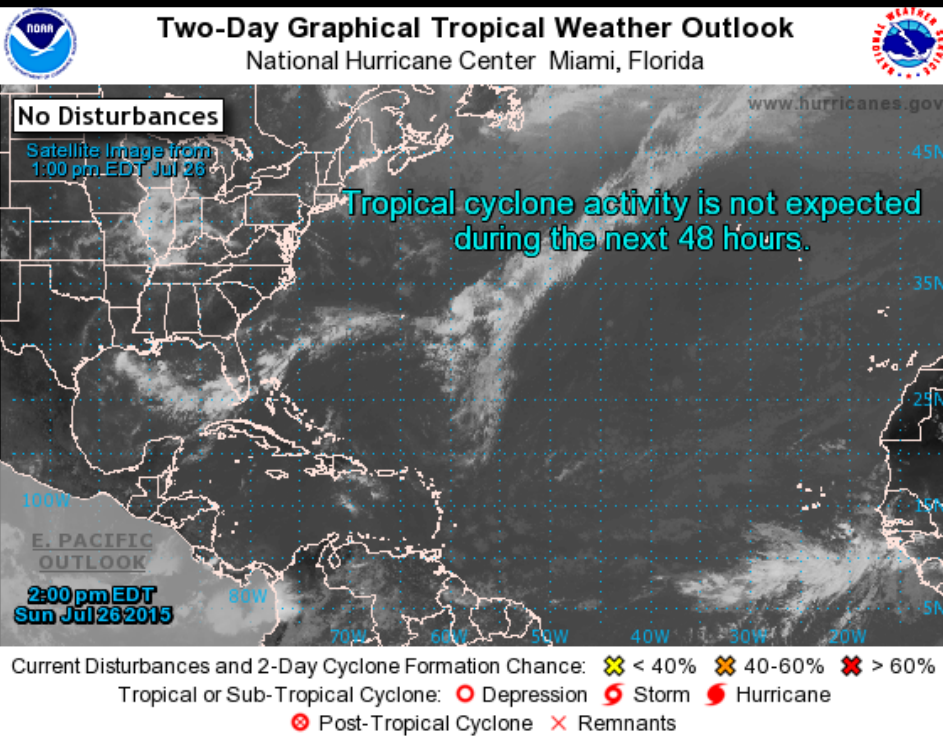
**We are experimenting with a new color scale in these briefings, starting on April 13<sup>th</sup>. The criteria is below, please provide your feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov) and we plan to re-evaluate in the coming months.**



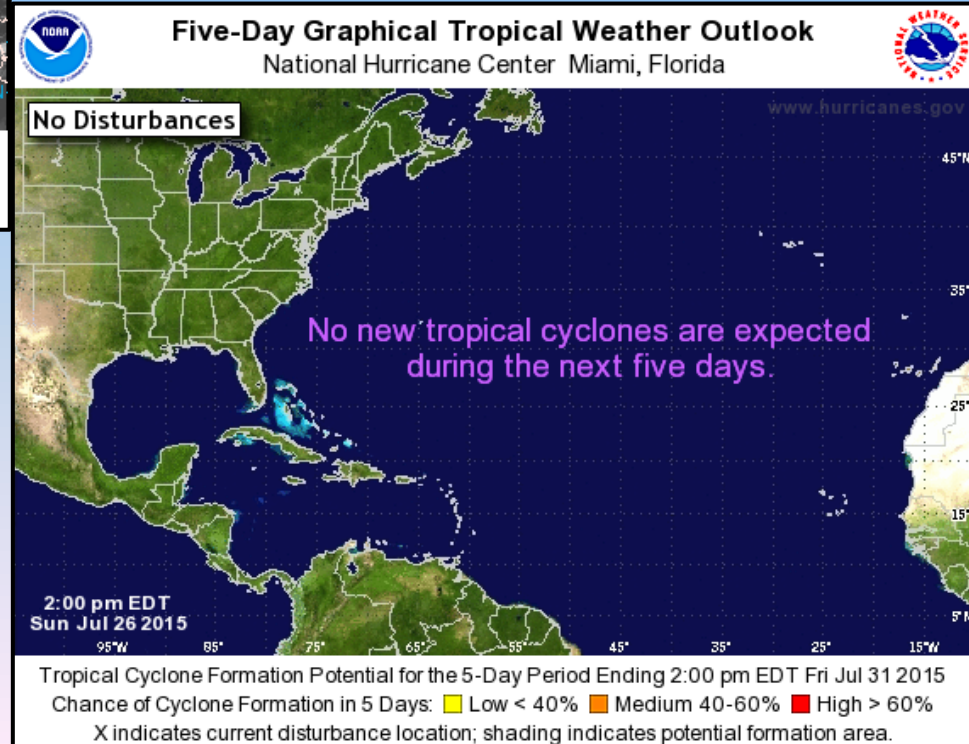
**Weather "Threat" Matrix**

Color	Definition	Criteria	Example(s)
<b>Green</b>	<b>Very Common – Happens Often</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
<b>Yellow</b>	<b>Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Minor Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
<b>Orange</b>	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Large Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> </ul>
<b>Red</b>	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Major Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> </ul>
<b>Purple</b>	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically results in Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

# Atlantic/Gulf Tropical Weather Outlook

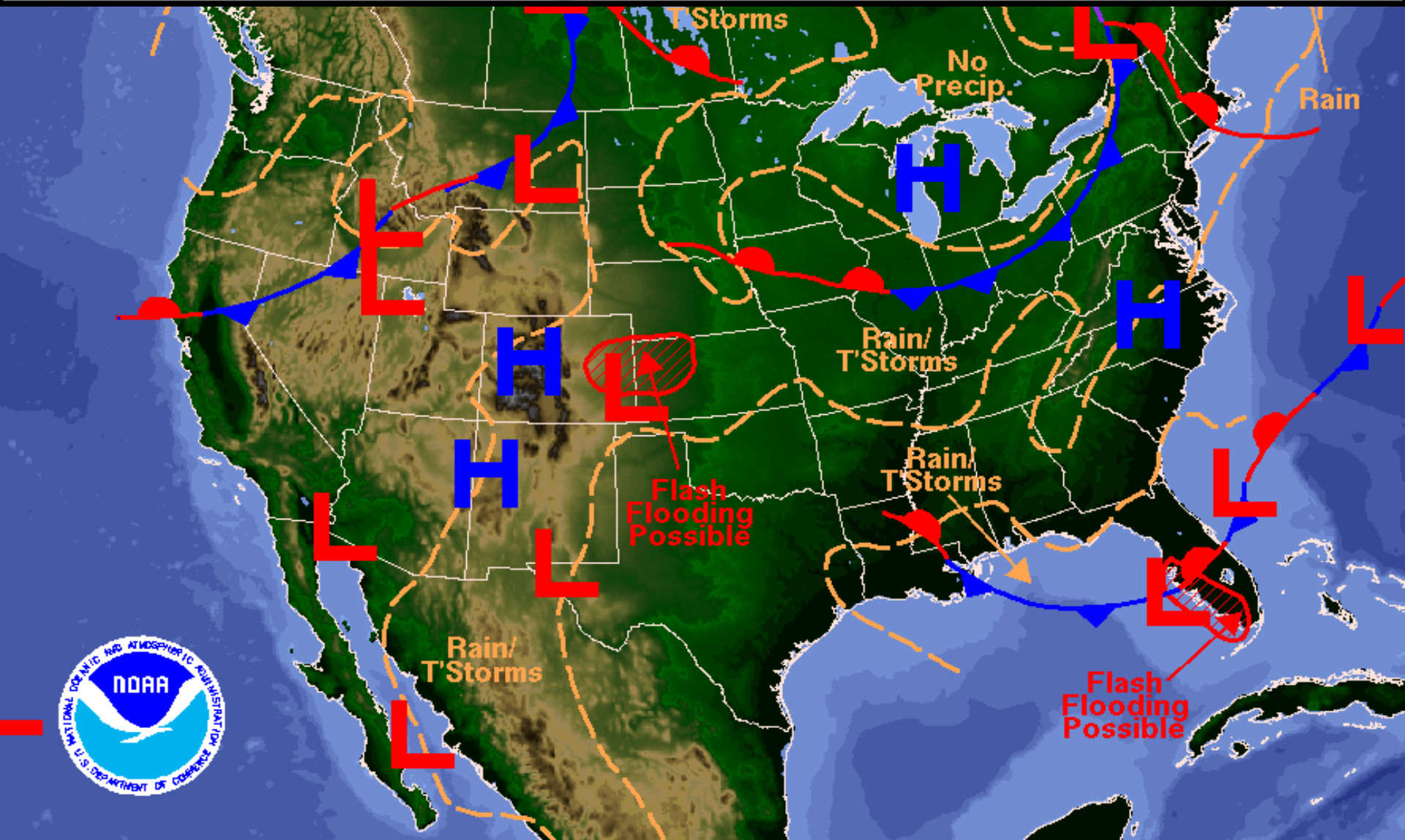


**Tropical cyclone formation is not expected the next 5 days**





# Today's Weather



Weather Forecast for Sun, Jul 26, 2015, issued 4:23 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Ryan based on WPC, SPC and NHC forecasts

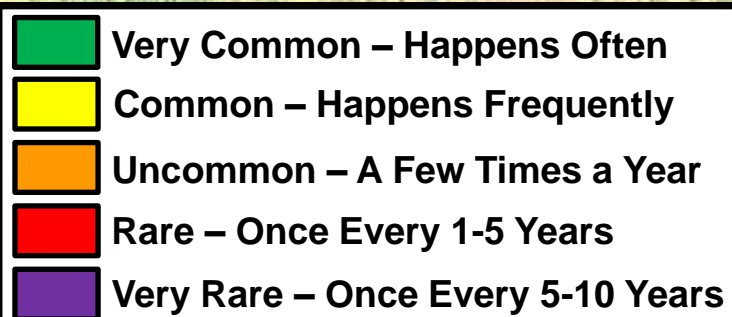


# Day 1 Weather Hazards

*Valid: 0800 Mon - 0800 Tue*



**Heat index values  
over 100 degrees  
over much of the  
eastern half of the  
Region**



*\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*

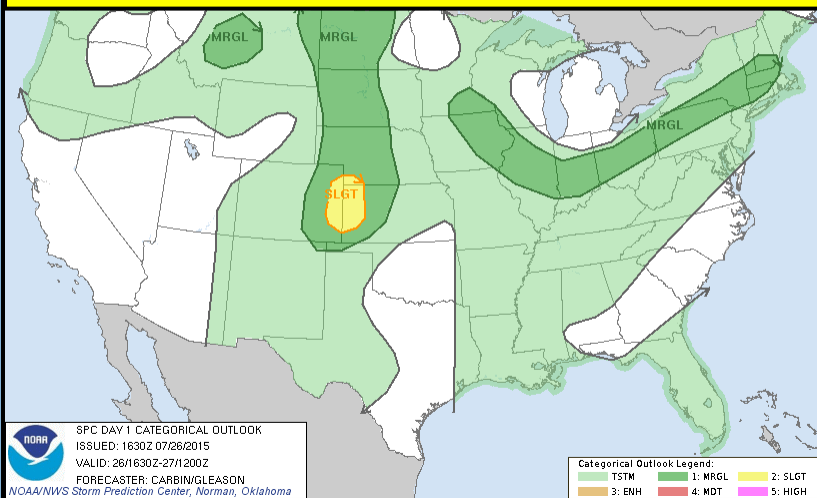


# Monday, July 27, 2015

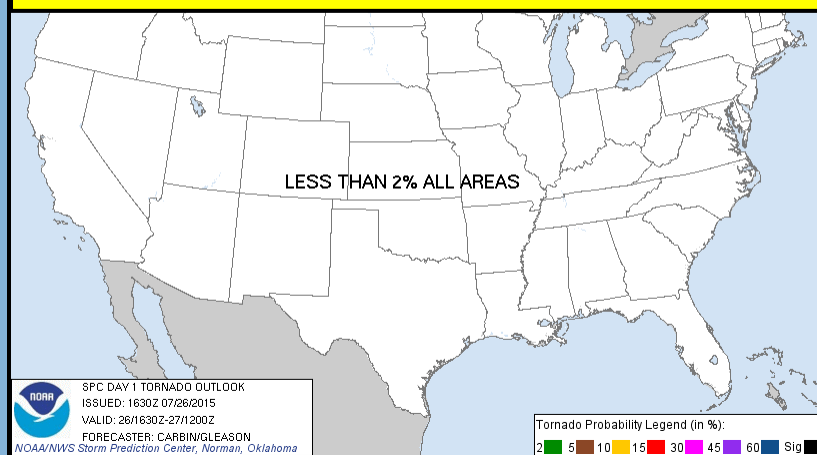
## Severe Thunderstorm Potential



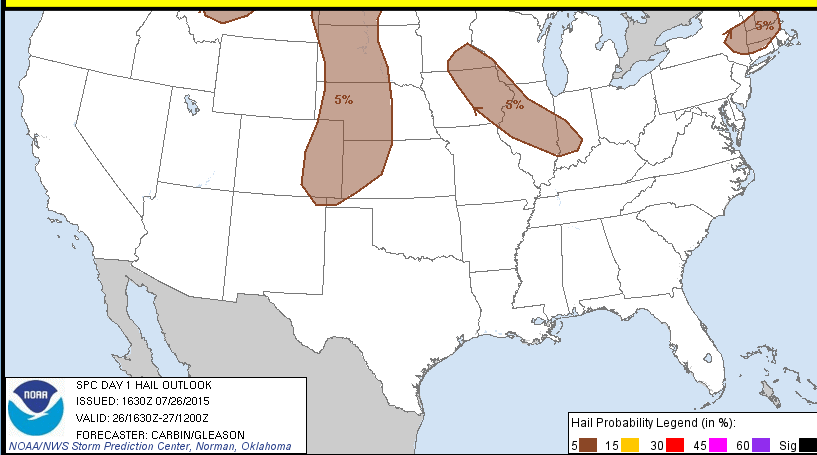
### Overall Threat Potential



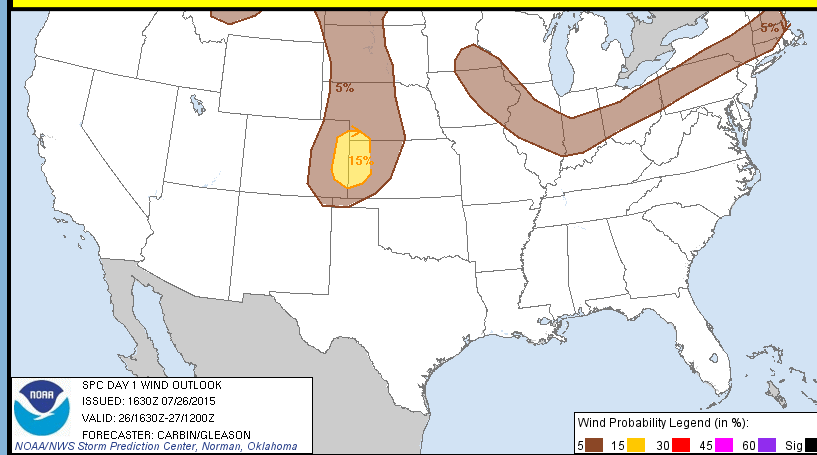
### Probability of Tornado within 25 miles of a point



### Probability of Damaging Hail within 25 miles of a point



### Probability of Damaging Winds within 25 miles of a point

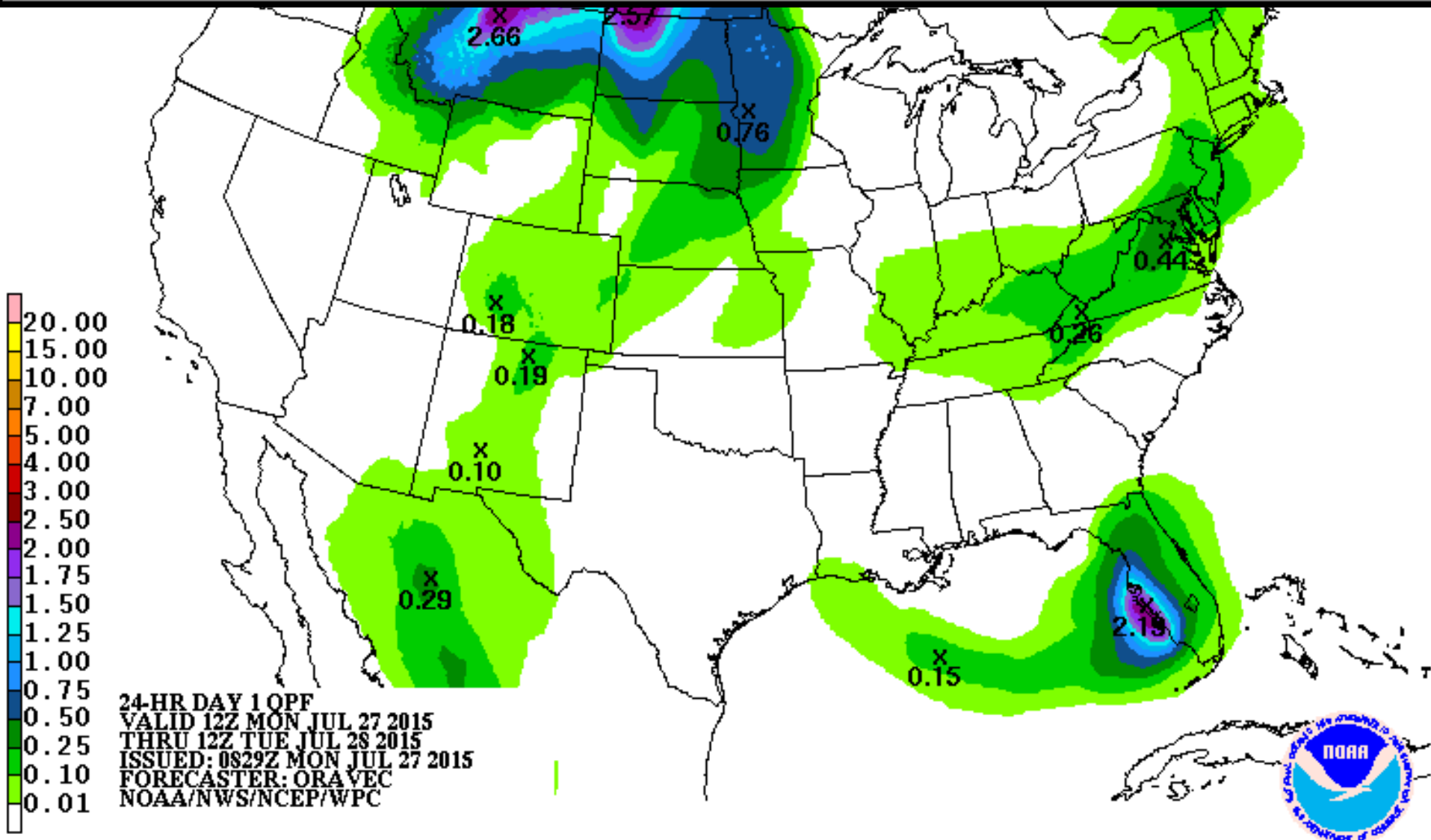


Building a Weather-Ready Nation

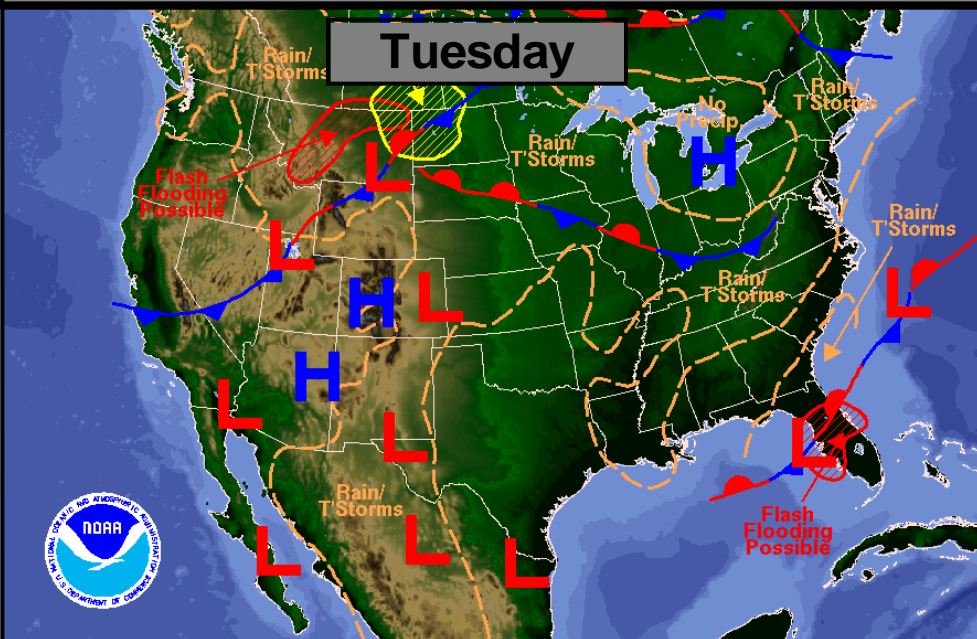


# Today's Precipitation

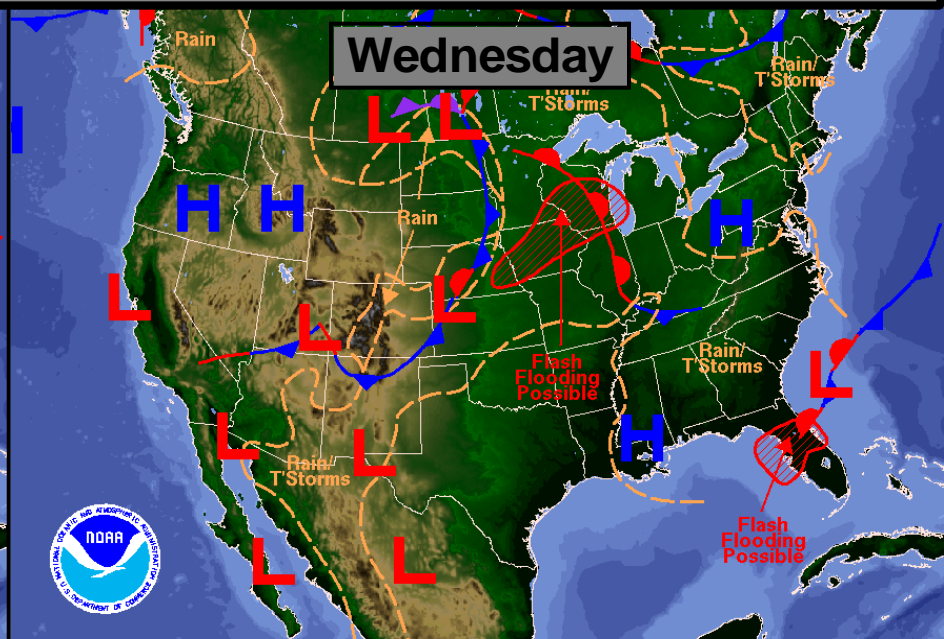
## Mon AM - Tue AM



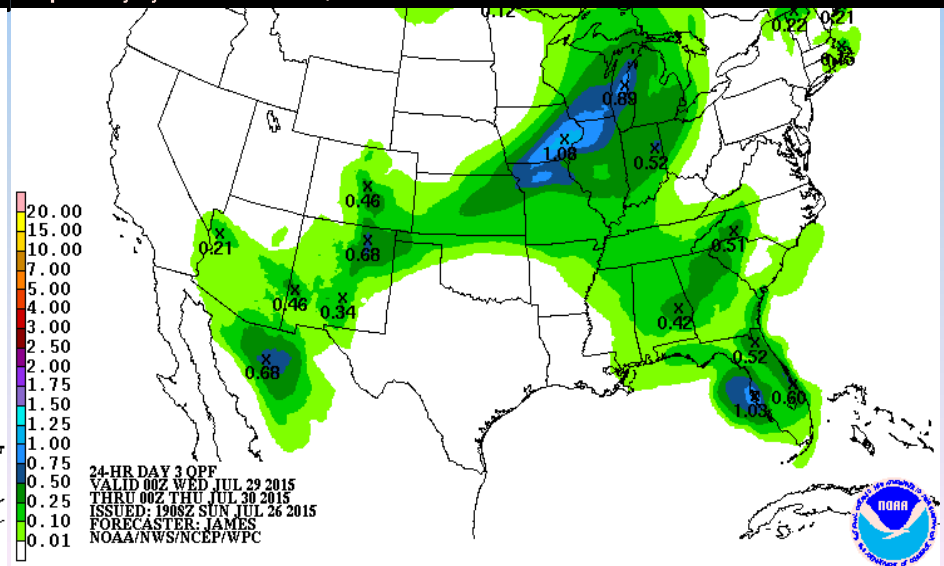
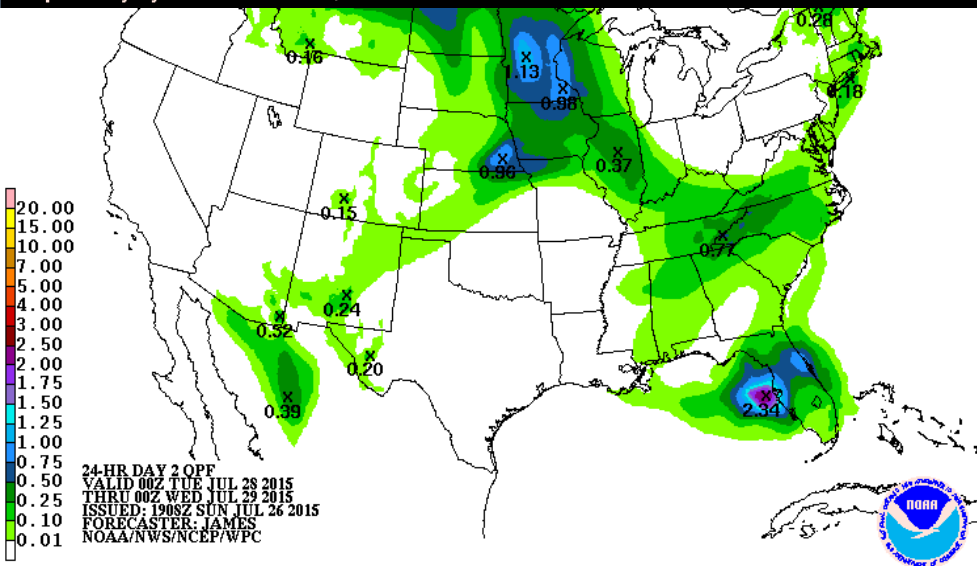
# Day 2-3 Weather Maps/Precipitation



Weather Forecast for Mon, Jul 27, 2015, issued 4:26 AM EDT Sun, Jul 26, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Ryan based on WPC, SPC and NHC forecasts



Weather Forecast for Tue, Jul 28, 2015, issued 4:29 AM EDT Sun, Jul 26, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Ryan based on WPC, SPC and NHC forecasts





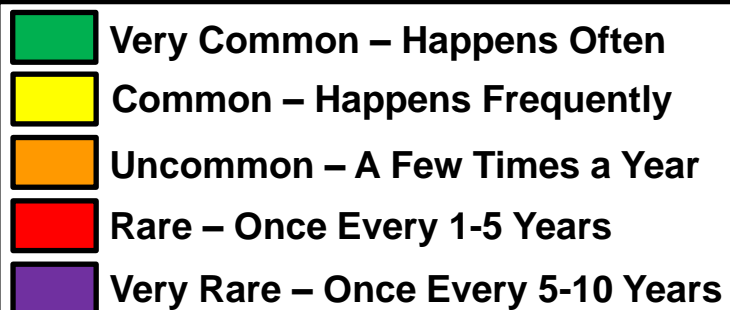
# Day 2-3 Weather Hazards

Valid: 0800 Tue - 0800 Thu



**An increase in rain chances expected over NM could see some isolated heavy rainfall and flash flooding**

**Temperatures remain hot over the eastern half of the Region both days with relatively dry conditions**



**\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.**



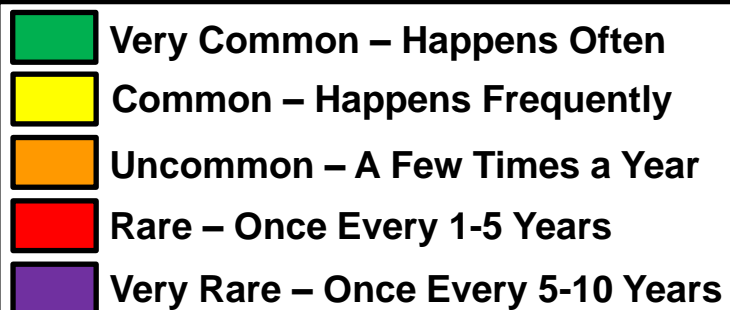
# Day 4-5 Weather Hazards

Valid: 0800 Thu - 0800 Sat



An increase in rain chances expected over NM could see some isolated heavy rainfall and flash flooding

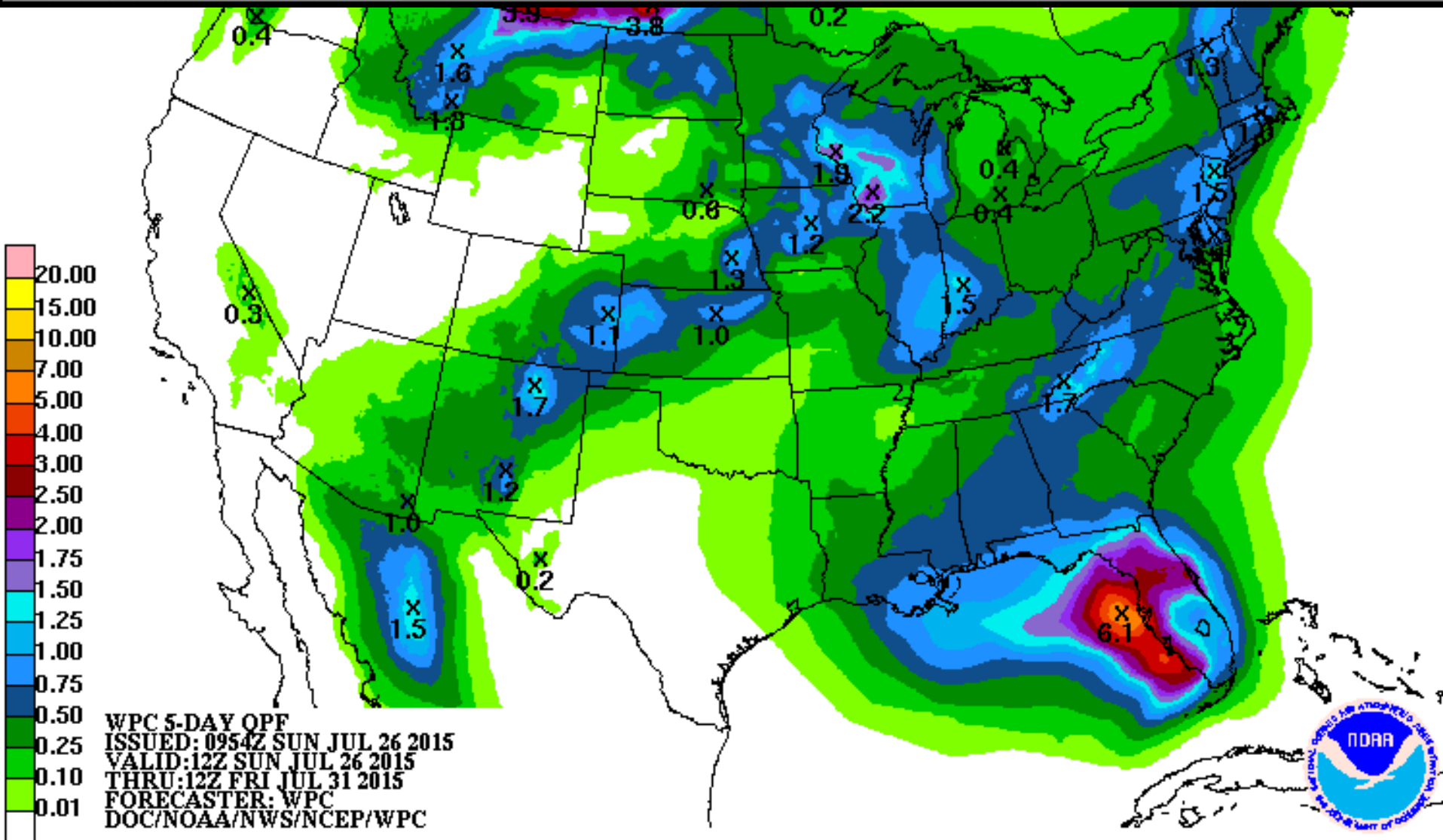
Increasing rain chances later this week may bring slight relief to the heat



\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

# 5-Day Precipitation

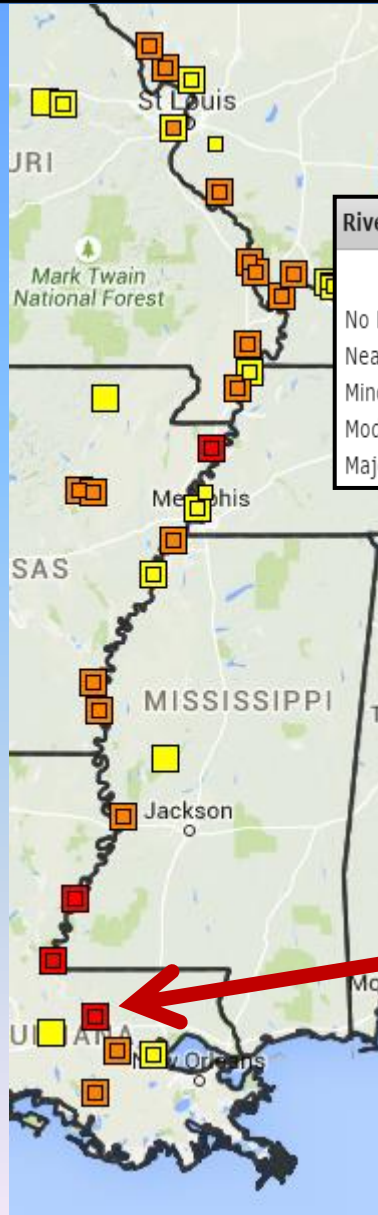
## Mon AM - Sat AM



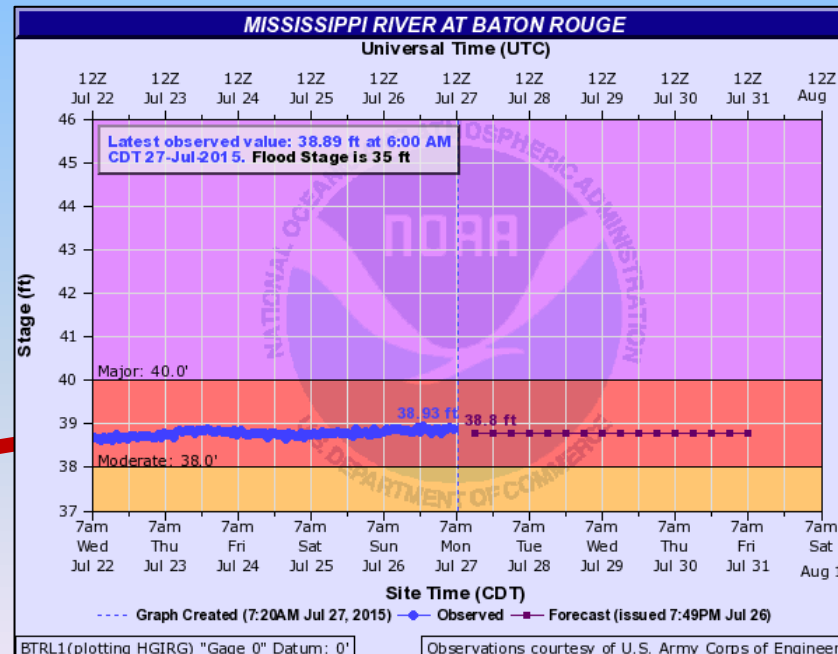


# Mississippi River Flood Status

The Lower MS River is generally expected to remain in Minor Flood Stage, with a few points in Moderate Flood Stage.



River Status		
	Observed	Forecast
No Flooding		
Near Flood Stage		
Minor Flooding		
Moderate Flooding		
Major Flooding		



**Possible impacts in/around Baton Rouge:**  
River traffic and industrial activity on the river side of the levees will be affected. Navigational safety regulations will be strictly enforced.

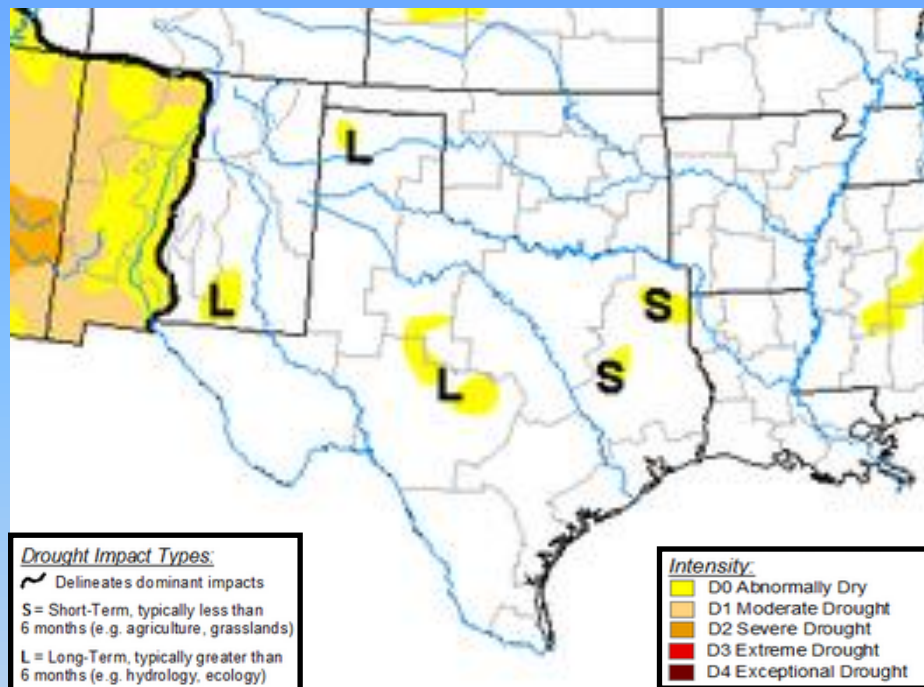
For latest river stages/forecasts, go to <http://www.srh.noaa.gov/rfcexp/main.php?fs=1>





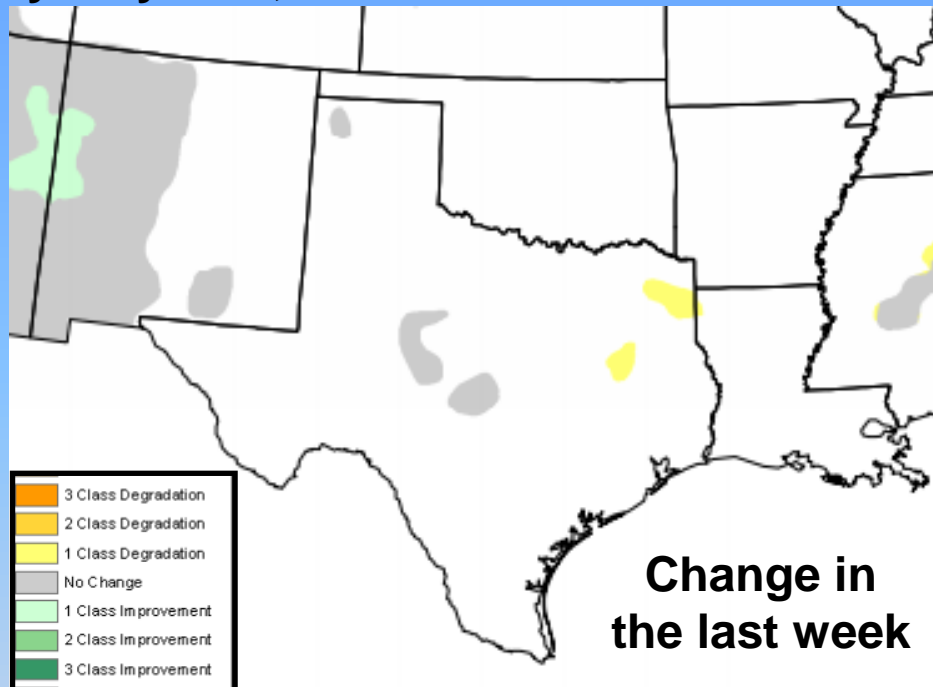
# Drought Monitor Released July 23rd, 2015

Data valid as of Tuesday July 21st, 2015



**Drought Impact Types:**  
~ Delineates dominant impacts  
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)  
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

**Intensity:**  
Yellow D0 Abnormally Dry  
Orange D1 Moderate Drought  
Red D2 Severe Drought  
Dark Red D3 Extreme Drought  
Dark Red D4 Exceptional Drought



**Change in  
the last week**

## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	37.13%	23.55%
Texas	0.00%	0.00%	9.35%	14.98%
New Mexico	0.00%	0.00%	0.00%	34.10%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%

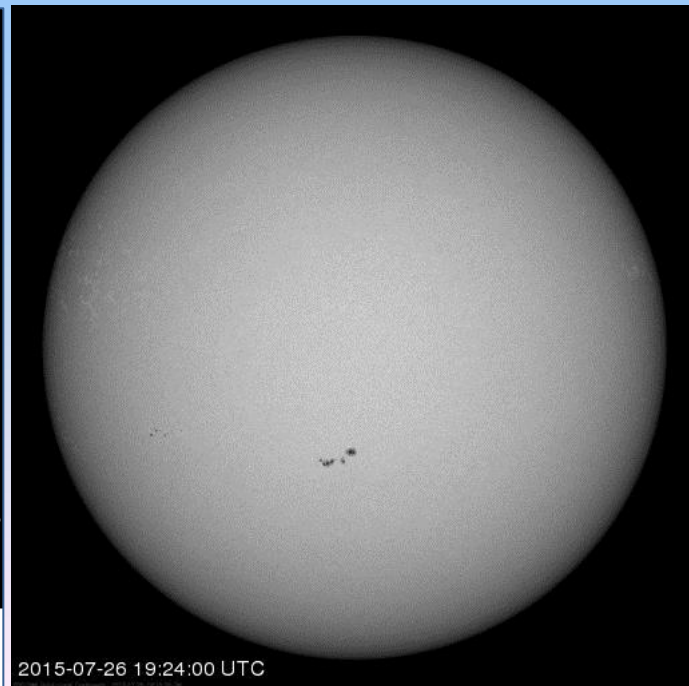
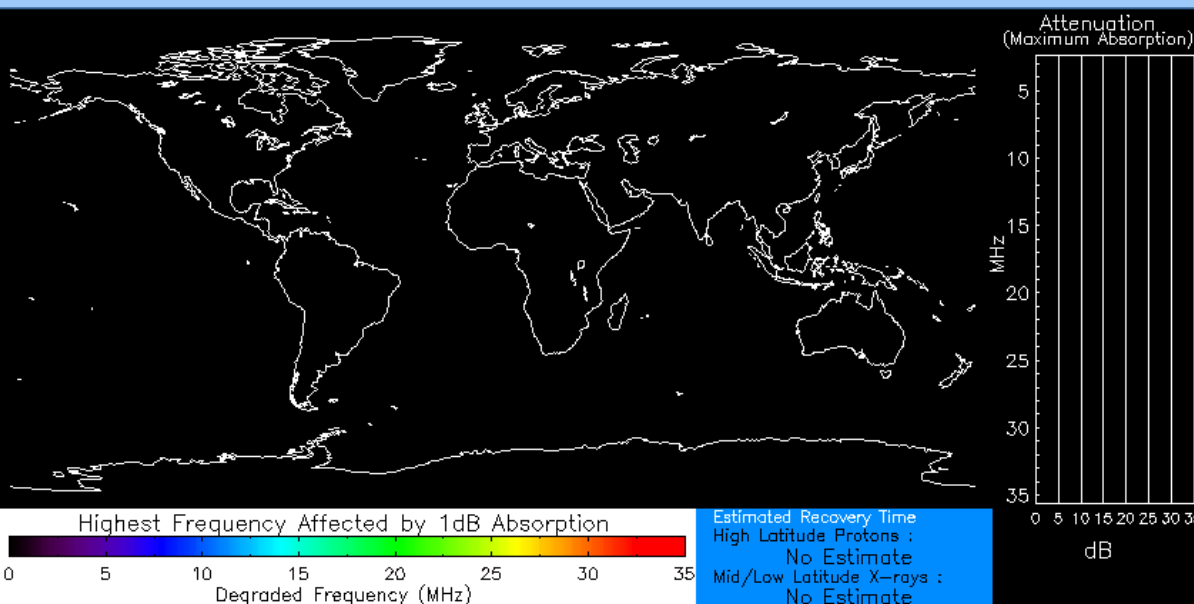
# Space Weather 3-Day Forecast



	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	5%	5%	5%
Radio Blackout (R3-R5)	1%	1%	1%

[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



Normal X-ray Background  
Product Valid At : 2015-07-26 20:14 UTC

Normal Proton Background  
NOAA/SWPC Boulder, CO USA

2015-07-26 19:24:00 UTC

Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

Phone: (817) 978-1100 x147

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